VPN 3000 Client User Guide for PC

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If you have any questions or run into problems with the VPN client, please contact the IT Support Center at (650) 604-2000 or send mailto:help@mail.arc.nasa.gov.

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Download the VPN Client

1. Go to the VPN website http://appliedit.arc.nasa.gov/vpn/vpnbox/step2.html

2. Select **PC Users**.

3. Enter your **VPN username and password** to access the site.

4. Download the self-extracting zip file called **vpnclient-win.exe**. If you don't have WinZip, you can get it from http://www.winzip.com/download.htm

Installing the VPN Client

To install the VPN Client on your system, follow these steps. We suggest you accept the defaults.

1. Exit all Windows programs, and disable any anti-virus software.

2. Double click the **vpnclient-win.exe** file and specify the location to extract the contents. This will create the **vpnclient-win folder**.

3. Double click on **vpnclient-win** folder.

4. Double click on the **Setup** application.

5. The program displays the Cisco Systems logo and InstallShield Setup window.

   Note:
   *If the InstallShield Wizard identifies an existing version of the VPN Client, the Cisco 5000 Client, or Nortel Networks Extranet Access Client, it displays a dialog box that asks if you want to uninstall the existing client program. To continue, choose **Yes**.*

   The VPN Client launches the appropriate uninstall wizard: the Cisco VPN Client uninstall wizard to uninstall a previous version of the VPN Client, the Extranet Access Client wizard program, or the Cisco 5000 wizard. Follow the instructions on the uninstall wizard dialog boxes to automatically uninstall the program and reboot.

   After your system reboots, our own Cisco Systems VPN Client Setup wizard resumes.

6. Follow the instructions on the screen. Continue selecting **Next** to accept the default settings.

7. After you have installed the VPN Client, you must **restart** your computer before you can configure and use the VPN Client.

Start the VPN Client

1. To start the VPN Client application, choose **Start > Programs > Cisco Systems VPN Client > VPN Client**.

2. The VPN Client application starts and displays its main dialog box.

3. Under the Connection Entries tab choose the **Ames** connection entry.
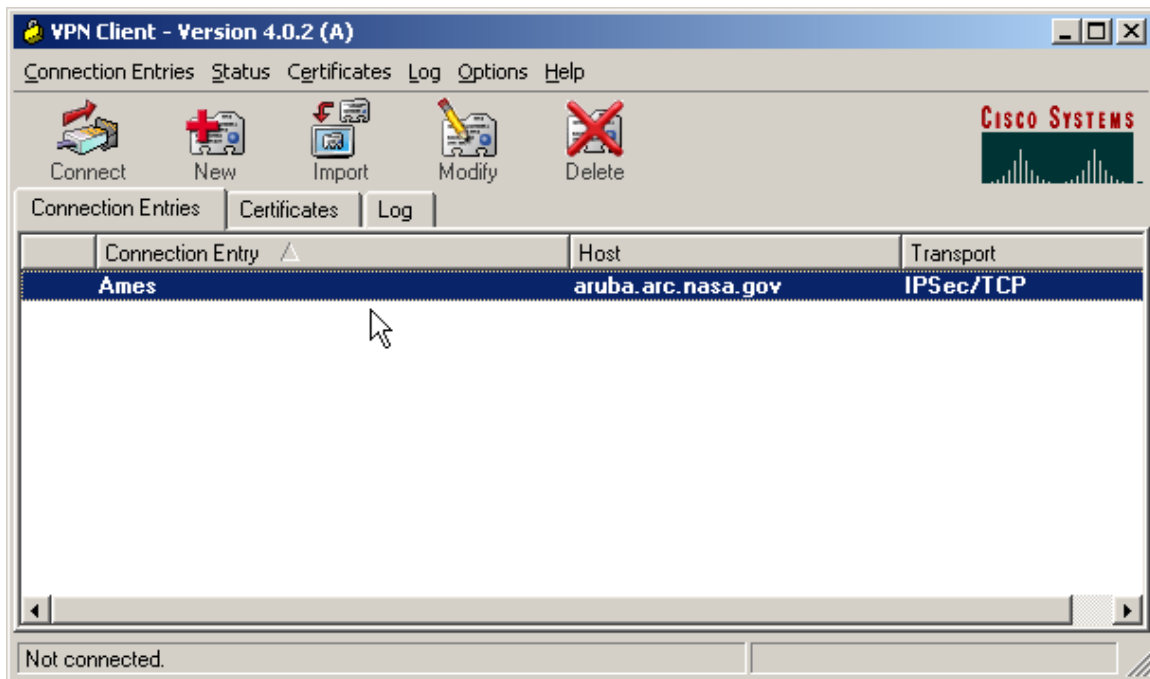
4. Connect to the Internet, if necessary.

    *   If you connect using Dial-Up Networking, verify that its icon is visible in the Windows task bar system tray. If not, your Dial-Up Networking connection is not active and you need to establish it before continuing.

    *   If you connect using DSL, you may need to launch your DSL software to connect to the Internet.

    *   Cable modems are usually connected to the Internet, so no additional action is necessary.

Authenticating to Connect to the Private Network

This section assumes you are connected to the Internet.

Note: If you would like to authenticate using your **Entrust Entelligence** software and PKI certificate please skip to the **"Certificate Authentication"** section.

1. Select **Connect** on the VPN Client's main dialog box.
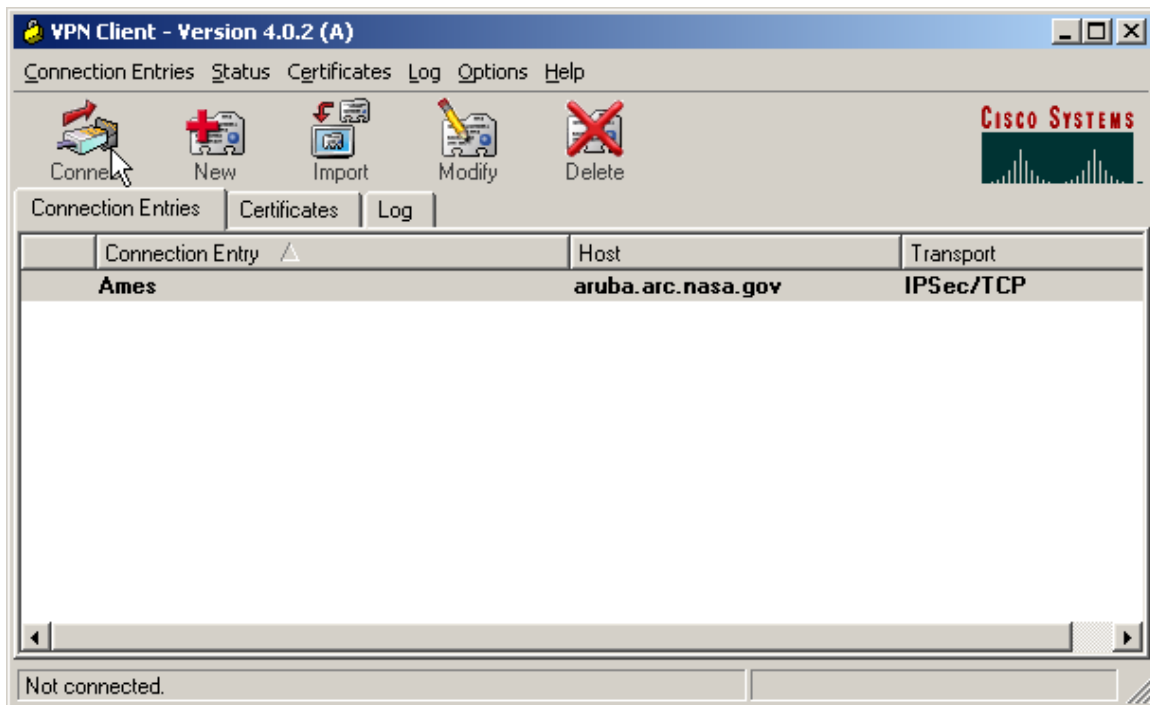
2. The VPN Client starts tunnel negotiation.

3. The next phase in tunnel negotiation is user authentication. The authentication dialog box will appear.
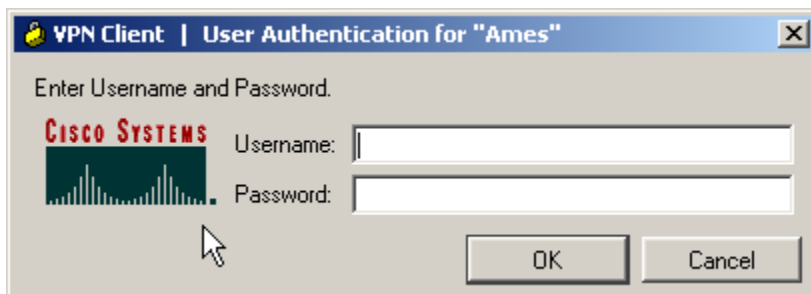
4. In the Username field, enter your **VPN username**. This entry is case-sensitive.

5. In the Password field, enter your **VPN password**. This entry is case-sensitive. The field displays only asterisks.

6. Click **OK**.

7. After completing the user authentication phase, the VPN Client continues negotiating security parameters and displays a NASA warning dialog box.
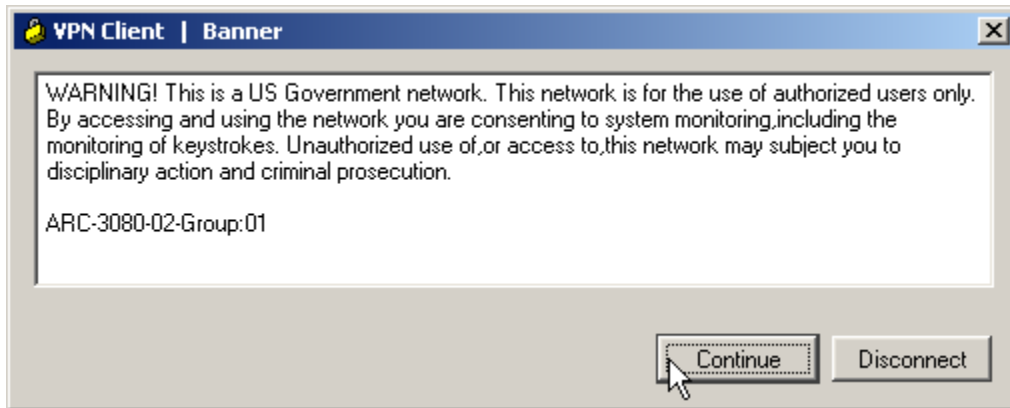
8. Select **Continue**. The VPN Client minimizes to an icon in the system tray on the Windows task bar.

You are now connected securely to the private network via a tunnel through the Internet, and you can access the private network as if you were an onsite user!
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Certificate Authentication

Certificate authentication is <u>**only available to Ames PKI certificate holders using Entrust Entelligence on a Windows platform**</u>. If you don't have the necessary components, you must use the authentication method above.

1. Open up the **vpnclient-win** folder.

2. Copy the **kmpapi32.dll** file.

3. Paste the **kmpapi32.dll** file to <u>C:\Program Files\Cisco Systems\VPN Client</u>.

4. Start the VPN Client application, by choosing **Start > Programs > Cisco Systems VPN Client > VPN Client**.

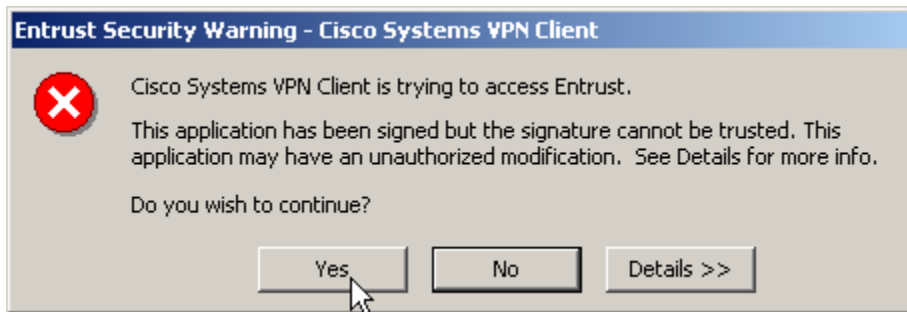5. Select **Modify** on the VPN Client's main dialog box. The Ames properties dialog box will appear.
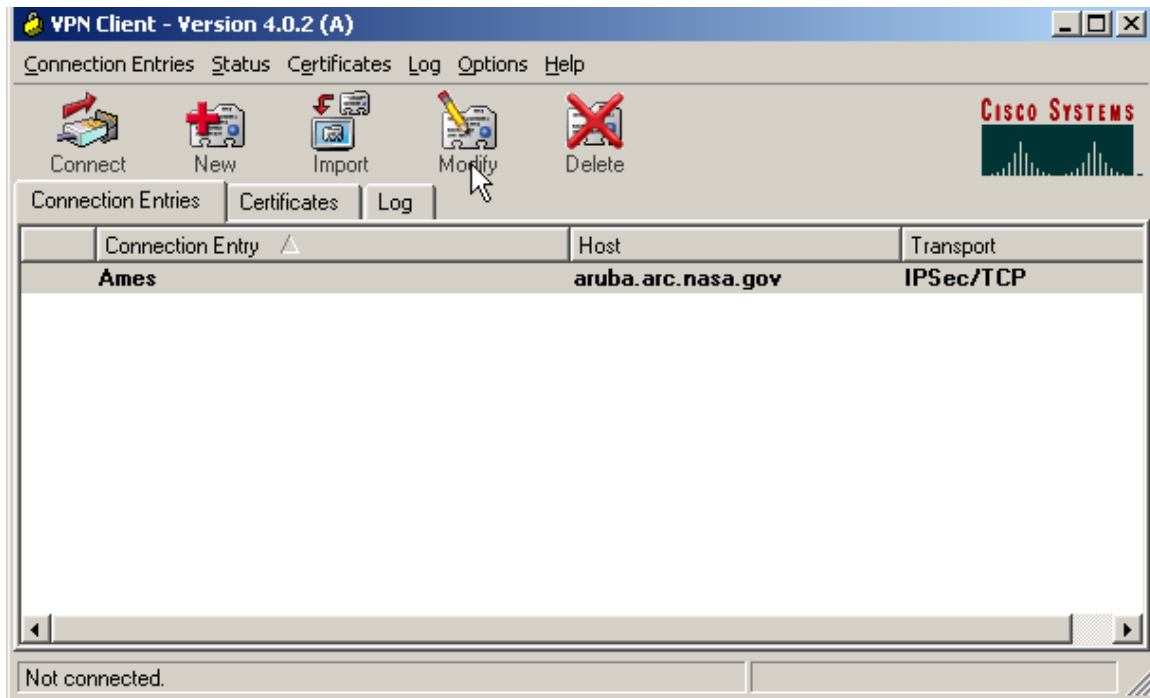
6. Under the **Authentication** tab select the **Certificate Authentication** radio button. The Name field with Entelligence Certificate (Entrust) will appear.
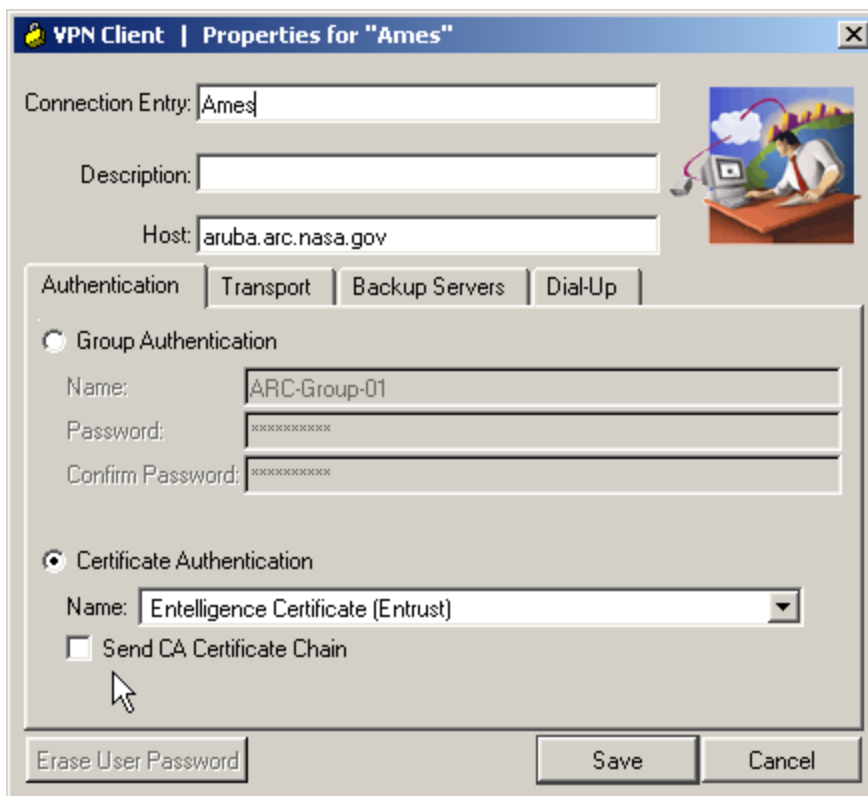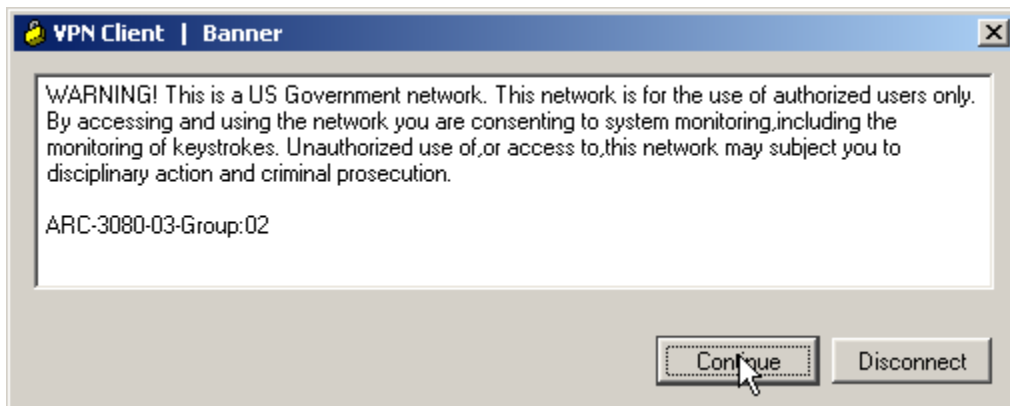

7. Click **Save**.

8. Quit the VPN Client and **reboot** your system.

9. Start the VPN Client application, by choosing **Start > Programs > Cisco Systems VPN Client > VPN Client**.

10. Select the **Connect** on the VPN Client's main dialog box. A security warning will appear advising that the VPN Client is attempting to use your Entrust certificate.

Entrust Security Warning – Cisco Systems VPN Client

Cisco Systems VPN Client is trying to access Entrust.

This application has been signed but the signature cannot be trusted. This application may have an unauthorized modification. See Details for more info.

Do you wish to continue?

Yes   No   Details >>

11. Select the **Yes** button.

12. The VPN Client starts tunnel negotiation and user authentication.

13. After completing the user authentication phase, the VPN Client continues negotiating security parameters and displays a NASA warning dialog box.

VPN Client | Banner

WARNING! This is a US Government network. This network is for the use of authorized users only. By accessing and using the network you are consenting to system monitoring,including the monitoring of keystrokes. Unauthorized use of,or access to,this network may subject you to disciplinary action and criminal prosecution.

ARC-3080-03-Group:02

Continue   Disconnect

14. Select **Continue**. The VPN Client minimizes to an icon 🔒 in the system tray on the Windows task bar.

You are now connected securely to the private network via a tunnel through the Internet, and you can access the private network as if you were an onsite user!
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Disconnecting your VPN Client Connection

To disconnect your PC from the private network, do one of the following:

- Double-click the VPN Client icon on the Windows task bar. Click **Disconnect** on the VPN Client's main dialog box.
- Right-click the VPN Client icon on the Windows task bar and choose **Disconnect** from the pop-up menu.

Uninstalling the VPN Client

To uninstall the VPN client, use the provided Uninstall VPN Client executable located under Start -> Programs -> Cisco Systems VPN Client.

Important! - Be sure to restart you computer after uninstalling the VPN client. In particular, do not attempt to reinstall the VPN client until you have restarted your computer.

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